

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006740

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ E23K20/24, H01L21/60, H05K3/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ E23K20/24, H01L21/60, H05K3/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Kcho	1996-2005
Kokai Jitsuyo Shinan Kcho	1971-2005	Toroku Jitsuyo Shinan Kcho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 11-340614 A (Matsushita Electric Industrial Co., Ltd.), 10 December, 1999 (10.12.99), Claims; Par. Nos. [0028] to [0030], [0036] to [0038], [0040]; Figs. 1, 5 to 7 (Family: none)	<u>1-11, 13-22</u> 12
Y A	JP 2000-269269 A (Toshiba Corp.), 29 September, 2000 (29.09.00), Claims; Par. Nos. [0010], [0013], [0029]; Figs. 1 to 3 (Family: none)	<u>1-11, 13-22</u> 12

☒ Further documents are listed in the continuation of Box C☐ See patent family annex.

* Special categories of cited documents:

-A- document defining the general state of the art which is not considered to be of particular relevance

-E- earlier application or patent but published on or after the international filing date

-L- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

-O- document referring to an oral disclosure, use, exhibition or other means

-P- document published prior to the international filing date but later than the priority date claimed

-T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

-X- document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

-Y- document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

-Z- document member of the same patent family

Date of the actual completion of the international search

02 August, 2005 (02.08.05)

Date of mailing of the international search report

23 August, 2005 (23.08.05)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<u>Y</u> A	JP 9-8451 A (International Business Machines Corp.), 10 January, 1997 (10.01.97), Claims 1 to 3; Par. No. [0051] & US 5634268 A	<u>6</u> 1-5,7-22
<u>Y</u> A	JP 2002-64042 A (Toray Engineering Co., Ltd.), 28 February, 2002 (28.02.02), Claim 7; Par. Nos. [0003] to [0004], [0011], [0017], [0019]; Fig. 1 & US 2003/0168145 A1 & WO 2002/017366 A1	1-2,8-14, <u>20-22</u> 3-7,15-19
<u>Y</u> A	Toshihiro ITO-Tadatomo SUGA-Hideki TAKAGI, "MEMS Package ni Okeru Hyomen Kasseika Joon Setsugo no Kanosei", 2000 Nendo Seimitsu Kogakukai Shuki Taikai Gakujutsu Koenkai Koen Ronbunshu, 2000, page 317, left column, lines 32 to 51	1-3,8-15, <u>20-22</u> 4-7,16-19
<u>Y</u> A	Ryoko OCHIAI-Toshihiro ITO-Tadatomo SUGA-Eiji HIGURE-Yasushi SAWADA, "Hyomen Kasseika ni yoru Hikari Micro Buhin no Teion Chokusetsu Setugo", 2003 Nendo Seimitsu Kogakukai Shuki Taikai Gakujutsu Koenkai Koen Ronbunshu, 2003, page 400, '2. Hyomen Kasseika Teion Flip Chip Bonder', '3. Handotai Laser no Setsugo'	1-3,8-15, <u>20-22</u> 4-7,16-19
E,A	WO 2004/030076 A1 (Toray Engineering Co., Ltd.), 08 April, 2004 (08.04.04), Claims; Fig. 1 & JP 2004-119430 A	1-22